

In the Specification:

Please enter the follow amendments to the specification:

At page 1, after line 3, and before line 4, Field of the Invention, please add the following paragraph:

Related Applications:

This is a continuation in part of patent application serial number 10/157,477, filed on May 29, 2002, allowed on November 28, 2003, and issued on _____ as U.S. Patent _____.

At page 5, please replace the paragraph beginning at line 1 and ending at line 10 with the following:

This system also has automatic filling equipment to replace water lost due to evaporation and other reasons. This system includes a sensor assembly 21, which may be located in one of the skimmers 14 or elsewhere. Sensor assembly 21 senses the level of water 12, and if it is below a selected level, sends a radio frequency signal to a receiver 22. Receiver 22 is located in the vicinity of circulation pump 18 and is connected to a solenoid valve 23. Valve 23 is located in a supply ~~inflow~~ line 20, which is connected to a source of water, such as the city water supply. Valve 23 is preferably connected to the suction side of pump 18, but it could also be connected to an inflow line separate from inflow line 20 of pump 18. Upon receiving an RF signal from sensor 21, receiver 22 opens valve 23 to allow water to flow from the city supply into inflow line 20. When the water reaches an adequate level, receiver 22 cuts off valve 23.

At page 5, replace the paragraph beginning at line 11 and ending at line 23 with the following:

Referring to Figure 2, skimmer 14 has a throat 24 for receiving water from pool 10. Throat 24 includes a port in the sidewall of the pool. A basket 26 is located within skimmer 14 for filtering debris in the water as it is drawn through throat 24 and into flow line 16. In the preferred embodiment, sensor assembly 21 is mounted in throat 24, however it could be mounted elsewhere. Referring to Figures 3 and 4, sensor assembly 21 includes a sensor and transmitter 28

assembly, which is a single integral unit and is to be referred to hereafter as sensor 28. Sensor 28 includes an elongated housing 29 that is rectangular in configuration, although this could be varied. A pair of wires or probes 30 extend outward from housing 29 and alongside one of the sidewalls. One of the probes 30 is longer than the other, and probes 30 are connected to electrical circuitry inside sensor 28. Water 12 is conductive, thus the circuitry will sense when both probes 30 are immersed in water. The circuitry detects the loss in conductivity that occurs when one probe 30 is spaced above the water. Sensor 28 also has an ~~antennae~~ antenna 32 for transmitting an RF signal.

At page 7, replace the paragraph beginning at line 13, and ending at page 8, line 2 with the following:

Processor 48 is connected to one of the probes 30, the other being grounded. Amplifiers 49 are connected to the probe 30 that leads to processor 48 for amplifying voltage differential between probes 30. If there is no continuity between probes 30, processor 48 provides a signal to a transmitter 50. Transmitter circuit 50 is a conventional integrated circuit that provides a digital signal to ~~antennae~~ antenna 32. When instructed by processor 48, transmitter 50 provides a single digitally encoded RF signal of a selected duration, then it is turned off by processor 48. Transmitter circuit 50 also has its power input connected to a power output from processor 48. Consequently, it is turned on only when processor 48 causes transmitter 50 to send an RF signal. Processor 48 also encodes into the RF digital signal a portion that indicates that the battery level is low if such is indicated by voltage detector 47. Processor 48 will not cause transmitter 50 to send a low voltage signal until it receives a low water indication from probes 30. The low voltage signal, when it occurs, is always encoded as part of the low water signal being sent from transmitter 50.

In the Drawings:

Please replace the original drawings with the attached formal drawings. No changes to the drawings have been made.